

Title (en)
An optical fibre amplifier

Title (de)
Ein optischer Faserverstärker

Title (fr)
Un amplificateur à fibre optique

Publication
EP 1126567 A1 20010822 (EN)

Application
EP 00440026 A 20000131

Priority
EP 00440026 A 20000131

Abstract (en)
An optical fibre amplifier is proposed comprising at least one pump light source (3), at least one amplifying fibre section (10), and at least one coupler (8) which establishes a connection between the input fibre (1) of the fibre type I, the pump light source (3), the amplifying fibre section (10), and the output fibre (12) of the fibre type I. The amplifying fibre section (10) consists of a fibre type II, and the splices (2, 11) between the fibre type I and the fibre type II are arranged relative to the amplifying fibre section (10) such that light propagated in the direction opposite to the signal direction and light propagated in the signal direction passes through means absorbent of short wavelengths before it reaches the splices. <IMAGE>

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H01S 3/067

IPC 8 full level
H01S 3/06 (2006.01); **H01S 3/067** (2006.01); **H01S 3/10** (2006.01); **H01S 3/094** (2006.01)

CPC (source: EP US)
H01S 3/06708 (2013.01 - EP US); **H01S 3/06754** (2013.01 - EP US); **H01S 3/094003** (2013.01 - EP US)

Citation (search report)
• [X] GB 2243942 A 19911113 - BRITISH TELECOMM [GB]
• [DX] US 5973824 A 19991026 - SANGHERA JASBINDER [US], et al
• [A] US 5502591 A 19960326 - SEMENKOFF MATHILDE [FR], et al

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EP 1126567 A1 20010822; CN 1316670 A 20011010; JP 2001237476 A 20010831; US 2001021061 A1 20010913; US 6498678 B2 20021224

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EP 00440026 A 20000131; CN 01101299 A 20010117; JP 2001008548 A 20010117; US 74211200 A 20001222